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DNN N1998-465756 DNC C1998-179602

TI Exhaust gas sensor for motor vehicle - has sensing element, which outputs correction information based on output of detecting element and **measured oxygen concentration**.

DC H06 J04 S03 X22

PA (NITS) NGK SPARK PLUG CO LTD

CYC 1

PI JP--10267895 A 19981009 (199851)\* 20p G01N-027-419 <--

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IC ICM G01N-027-419

ICS G01N-027-04

AB JP 10267895-A UPAB: 19981223

The sensor (1) has a **concentration** detector (16) consisting of semiconductor oxide, whose electrical resistance value varies depending upon **concentration** of gas composition in exhaust gas. The individual composition of gas components in the exhaust gas is detected by a detecting element (2) corresponding to output of **concentration** detector. The oxygen **concentration** in the exhaust gas is **measured** using a sensing element (3). A correction information for correcting the detected **concentration** information is output by the sensing element, based on output of detecting element and **measured oxygen concentration**.

ADVANTAGE - Enables to detect exhaust gas components, precisely.

Facilitates detection of oxygen **concentration** for wide range.

Prevents combustion of flammable components, thereby raises sensitivity.

Dwg. 2/29

FS CPI EPI

FA AB; GI

MC CPI: H06-C04; J04-C04

EPI: S03-E03; S03-E14P1; X22-A05B